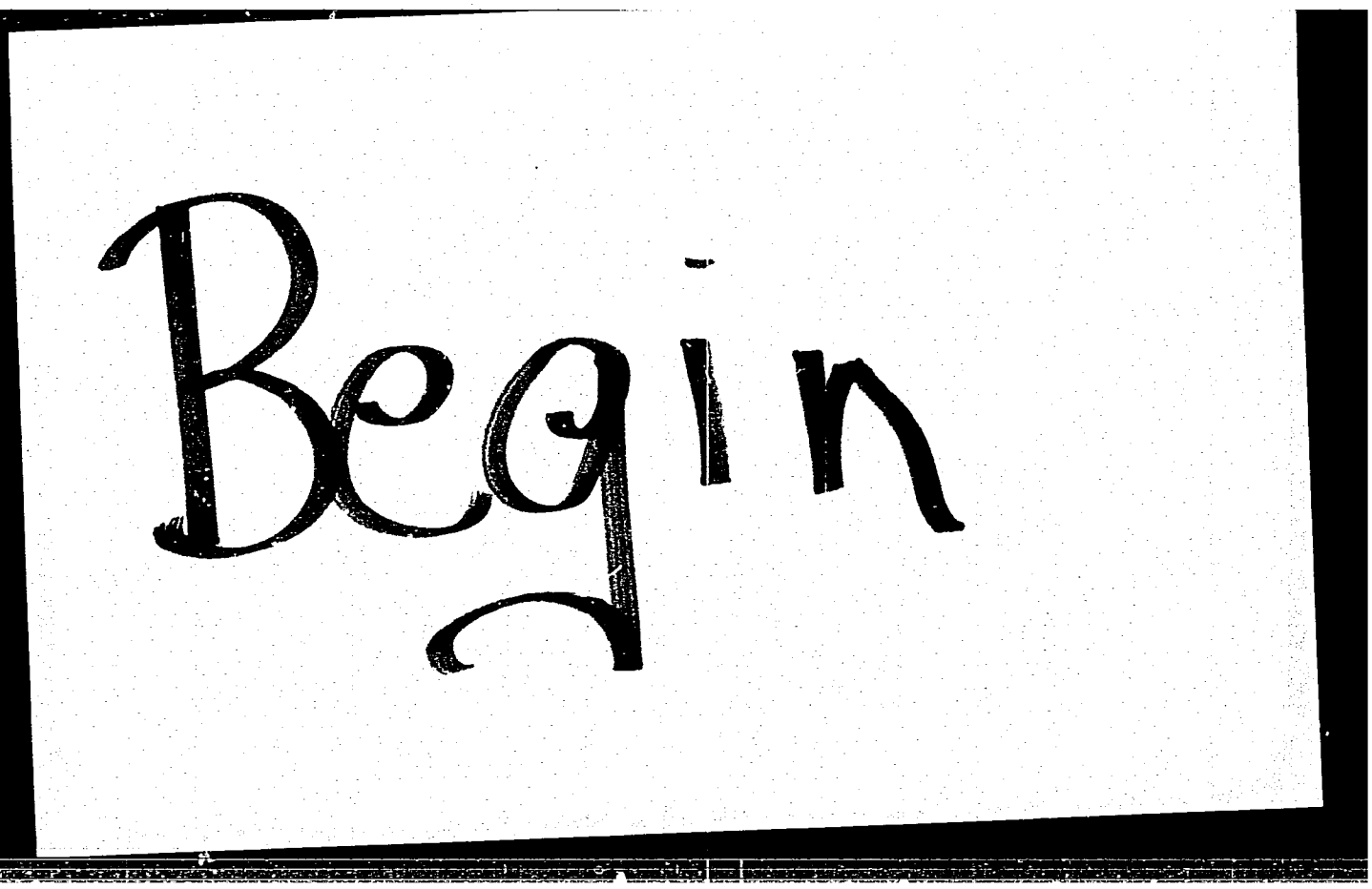
"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0



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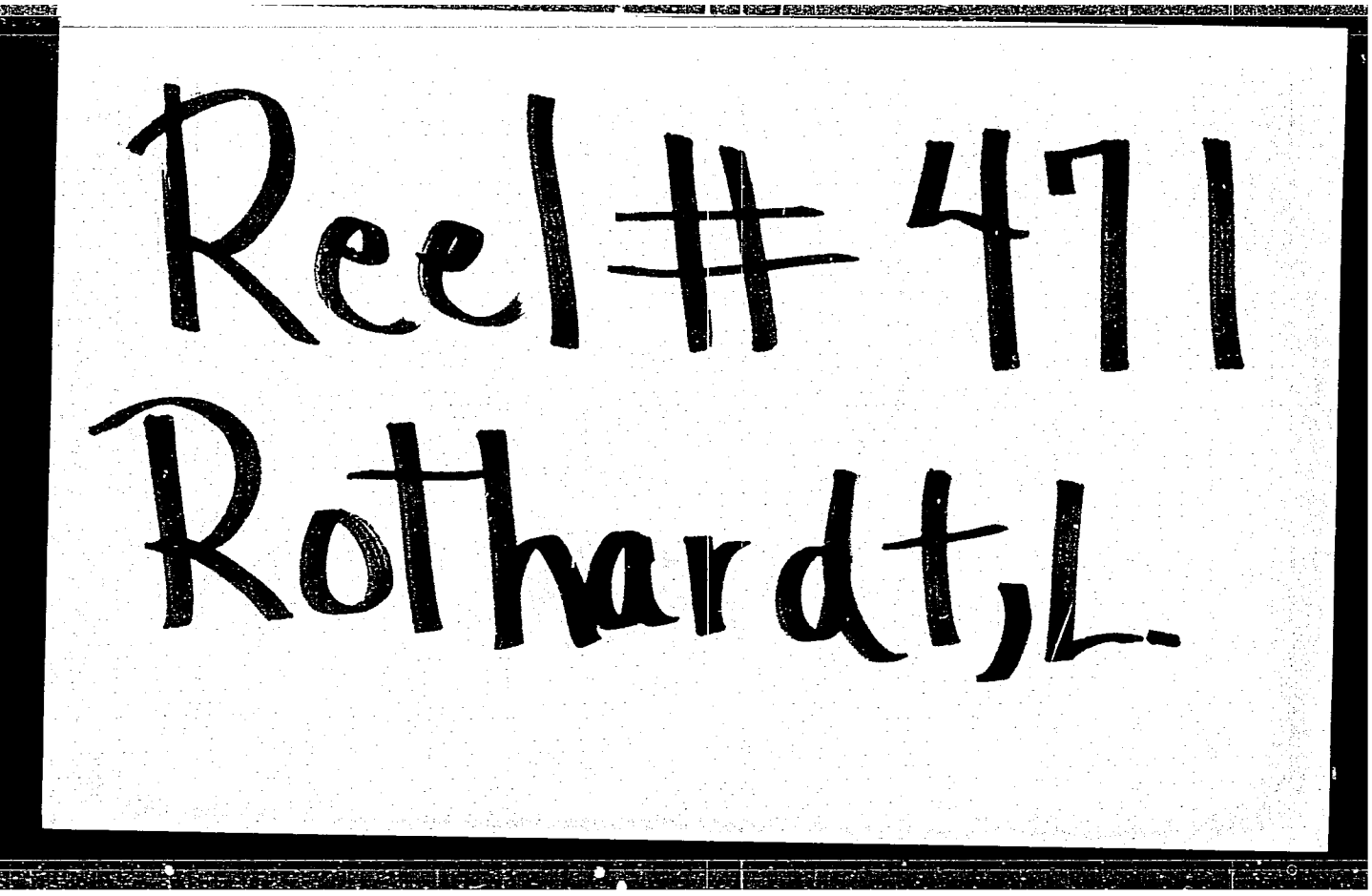

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L 10608-65 EWT(1)/EWP(m)/EWG(v)/FCS(k)/EWA(h)/EWA(1) Pd-4/Pe-5/Pi-4 AEDC(a)/AFETR/SSD/AEDC(b)/AEWL/ESD(ge)/BSD/ASD(p)-3/ASD(a)-5/ASD(f)-2/ESD(t)

ACCESSION NR: AP4047110 G/0025/64/000/06-/0481/0485

AUTHOR: Rothhardt, L.

TITLE: Experiments with an inductive-hydrodynamic shock tube

SOURCE: Kernenergie, no. 6-7, 1964, 481-485

TOPIC TAGS: shock wave, shock tube, inductive hydrodynamic shock tube, electromagnetic shock tube, plasma parameters, plasma velocity, plasma conductivity

ABSTRACT: Plasma parameters were calculated from current-voltage characteristics measured by probes introduced into electromagnetic shock tubes. The shock tube used was a pillbox-shaped glass chamber with a long cylindrical expansion tube attached to its center and filled with hydrogen at pressures between 0.1 and 1 Torr. An oscillating current pulse through an induction coil surrounding the chamber produced a succession of cylindrical shock waves which converged towards the center of the chamber, thereby generating fast-moving shock waves in the expansion tube. The total light emitted from the chamber as well as from the expansion tube, in which shock and asso-

Card 1/2

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L 10608-65
ACCESSION NR: AP4047110

ciated plasma velocities up to 4 x 10^6 cm/sec were obtained, was measured as a function of time. In addition, electric plasma conductivity was measured in the expansion tube by applying an external voltage to two probes situated 20 cm from the chamber. It was found that the duration of the shock-wave group was about 50 usec. Experiments with probes in different positions showed that hydrodynamic boundary phenomena strongly influence the relation between the probe voltage and the current in the probe circuit. [Orig. art. has: 7 figures.

[illegible] feedback for his interest in this work, Dipl.-Ing. G. Hahn, [illegible] assistance, and [illegible] Nande, and S. Neumann for [illegible] with some of the [illegible]." Orig. art. has: [illegible]

ASSOCIATION: Institut für Magnetohydrodynamik, Jena, der Deutschen Akademie der Wissenschaften zu Berlin (Institute for Magnetohydrodynamics, Jena, German Academy of Sciences in Berlin)

SUBMITTED: 18Feb64 ATD PRESS: 3119 ENCL: 00

SUB CODE: NP, ME NO REF SOV: 005 OTHER: 020

Card 2/2

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

L 41664-66
ACC NR: AP6031215 SOURCE CODE: RU/0[illegible]4/65/000/001/0001/0009

AUTHOR: Rothman, Aurel (Engineer; Bucharest)

ORG: ISPE

TITLE: Theory of the electric circuit in a broad sense

SOURCE: Electrotehnica, no. 1, 1965, 1-9

TOPIC TAGS: Kirchhoff network law, circuit theory

ABSTRACT: The author presents the algebraic and topological characteristics of electric circuits which permit their interpretation as forming a general language for the description of a group of phenomena to which linear relations (of any nature) are associable. The broad implications of Kirchoff's theory are discussed and their consequences, including the theory of flow graphs, are presented. Orig. art. has: 13 formulas and 1 table. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 09 / SUBM DATE: 10Sep64 / ORIG REF: 001 / SOV REF: 001
OTH REF: 043

UDC: 621.[illegible]37.313

Card 1/1 hs

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHBAUER, Milos; SOPKO, Bruno

New method of base formation in germanium transistors. Slaboproudy obzor 24 no.12:690-693 D'63.

1. Vyzkumny ustav pro sdelovaci techniku A.S. Popova, Praha.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHE, Alexander, dr. ing.

Regarding some modifications of coefficients of conditional equations of statically indeterminate structures. Bul St si Tehn Tim 7:341-347 '62.

1. Scoala tehnica superioara "Otto von Guericke", Magdeburg (R.D.G.).

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

L 44326-65 EWT(m)—Peb—DIAAP

ACCESSION NR: AP5013258 GE/0025/64/007/012/0828/0831

13
B

AUTHOR: Rothe, H.

TITLE: Application of special units in the measurement of ionizing radiation

SOURCE: Kernenergie, v. 7, no. 12, 1964, 828-831

TOPIC TAGS: ionization, scientific standard

Abstract: Definitions and uses of special units employed in measurements of ionizing radiation were presented with the recommendation that they be promulgated as standard in the German Democratic Republic. These units are covered by standards issued by various international bodies. The following units were discussed: rad, rad/second, Rontgen, Rontgen/second, and Curie. The arguments in favor of implementing these recommendations were discussed. Orig. art. has 1 table.

ASSOCIATION: Deutschen Amt fur Messwesen und Warenprufung, Bereich Forschung, Berlin C2 (German Office for Measures and Materials Testing, Area: Research)

SUBMITTED: 29Jul64 ENCL: 00 SUB CODE: NP, GO

NO REF SOV: 000 OTHER: 012 JPRS

Card 1/1

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHE, H.

- DAHLKE, K.

- SCHUBERT, J.

"Measurements of the flicker-effect constants"

Telefunken Ztg, 26, 77-84 (March, 1953)

SOURCE: SCIENCE ABSTRACTS, Section B, Electrical Engineering Abstracts, (June 1953), Unclassified.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTH, H.

- WILLWACHER, E.

"The limit of sensitivity of amplifier tubes. II. Theory of the screened-grid tube"

Arch. Elekt. Uebertragung, 6, 493-8 (Dec., 1952)

SOURCE: SCIENCE ABSTRACTS, Section B, Electrical Engineering Abstracts, (June 1953), Unclassified.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHE, H.

"The Limit of Sensitivity of Amplifier Tubes. I. Triode Theory."

"Arch. elekt. Ubertragung", 6, 461-8 (Nov.,1952) In German.

SO: SCIENCE ABSTRACTICNS, SECTION B, Electrical Engineering Abstracts, (April 1953) Unclass.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

S/058/62/000/008/006/134
A061/A101

AUTHORS: Frommhold, E. A., Rothe, H.

TITLE: An improved ionization chamber with gas amplification for gamma dose and dose rate measurements in the 20-kev - 1.2-Mev energy range

PERIODICAL: Referativnyy zhurnal, Fizika, no. 8, 1962, 8, abstract 8B45 ("Kernenergie", 1961, v. 4, no. 12, 946 - 952, German)

TEXT: Conventional ionization chambers are little suited for dosimetry, since their sensitivity is dependent on the quantum energy, and because of counting losses in the case of high dose rates. Ionization chambers with gas amplification are free of these deficiencies. The design of a chamber with gas amplification is described. Diameter and height of the chamber are 20 and 80 mm, and the walls are made of a 0.1 - 0.3 mm thick silicate glass. The diminution of passage with hardness is achieved by using a perforated 0.35-mm thick lead absorber. The chamber is filled with argon plus 5% isobutane at ~0.7-atm pressure. The gas amplification factor is $3 \cdot 10^4$. The chamber permits the measurement of

Card 1/2

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

S/058/62/000/008/006/134
A061/A101

An improved ionization chamber with...

dose rates from 0.1 milliroentgen/hr to 100 roentgens/hr.

K. Aglintsev

[Abstracter's note: Complete translation]

Card 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHE, J.; JALUVKA, Vl.

Analysis of maternal mortality in the People's Republic of Germany in the years 1958-1961. Cesk. gyn. 28 no.1/2:118-123 F '63.

1. Institut pro socialni hygienu, Berlin-Lichtenberg, reditel prof. Dr. med. E. Marcusson Gyn.-por. odd. Oskar Ziethen Krankenhaus, Berlin-Lichtenberg. predn. Dr. med. S. Heyme.
(MATERNAL MORTALITY) (PREGNANCY COMPLICATIONS)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTENBURG, --
-- [illegible], Kanshestvennaia Stal, 1936, No. 10, pp. 7-11

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHENSCHEIN, J.

"Palingenia longicauda Olivier (Ephemeroptera) in eastern Slovakia"

Biologia. Bratislava, Czechoslovakia. Vol. 14, no. 2, 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 7, July 59, Unclas

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTENSTEIN, B.

1222

7 Brittleness of structural steels containing Mn. N. Drăgan and B. Rotenstein. *Rev. mét., Acad. rép. populaire Roumaine* 4, No. 1, 29–39(1950)(in French).—Structural steels containing 0.35% C and 1.66% Mn are susceptible to annealing brittleness. R. S. Young

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

AUTHOR: Rothenstein, B. CZECH/37-59-3-18/29

TITLE: Magneto-mechanical Method of Studying the Kinetics of the Magnetization Process (Letter to the Editor)

PERIODICAL: Československý časopis pro fysiku, 1959, Nr 3, pp 321-322

ABSTRACT: In a previous paper (Ref 1), the author has shown that the magneto-mechanical effect in an alternating field (Refs 2-10) can be understood on the assumption that the internal damping Q^{-1} is given by:

$$Q^{-1} = k \cdot y_{H_a}^2 \cdot v^2 \qquad (1)$$

where k is a constant of any given ferromagnetic structure, Y_{H_a} is the number of domains having coercive force H_a, v is the velocity of motion of the walls.

If a constant field is applied simultaneously with the alternating field (K. Míšek - Ref 11), the number of domain walls will decrease and the domains will be

Card1/4

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

Magneto-mechanical Method of Studying the Kinetics of the Magnetization Process (Letter to the Editor)

elongated. If we measure the internal damping as a function of the intensity of the constant field H, while the alternating field is kept constant, then the number of domains having a given coercive force is given by Eq (1) throughout the process of magnetization.

If the number of domains with coercive force H_a in the de-magnetized state is $Y_{H_a,0}$ and in the constant field it is $Y_{H_a;H}$, then:

$$Y_{H_a,H} / Y_{H_a,0} = Q^{-1}_{H_a,H} / Q^{-1}_{H_a,0} \qquad (2) .$$

Here, $Q^{-1}_{H_a,0}$ is the internal damping in the alternating field H_a and $Q^{-1}_{H_a,H}$ is the internal damping in the

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

Magneto-mechanical Method of Studying the Kinetics of the Magnetization Process (Letter to the Editor)

same alternating field plus a constant magnetic field H. Figure 1 shows the internal damping of Swedish iron as a function of the intensity of a constant magnetic field H, with an alternating field H_a as a parameter. Figure 2 shows the relative number of domains with a particular coercive force as a function of the constant magnetic field. With increased magnetization, the number of domains with small coercive force decreases. The number of domains with a larger coercive force reaches a maximum at a certain field intensity and then decreases.

There are 2 figures and 11 references, of which 6 are Czech, 3 German and 2 Rumanian.

Card 3/4

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

NADASAN, St.; ROTHENSTEIN, B.; HOROVITZ, B.; SAFTA, V.; KREMMER, I.; GOLEA, A.

Influence of cathodic hydrogen on the fatigue resistance of carbon steel covered with nickel by electrolytic method. Studii tehn Timisoara 10 no.2:241-247 J1-D '63.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

NADASAN, St.; HOROVITZ, B.; ROTHENSTEIN, B.; SAFTA, V.; GOLEA, A.

Influence of the composition of Ni-Fe layer on the resistance to fatigue of the high-quality carbon steel. Studii tehn Timisoara 9 no.1/2:29-35 Ja-Je '62.

1. Membru corespondent al Academiei R.P.R. si membru al Comitetului de redactie, "Studii si cercetari, Stiinte tehnice" - Timisoara - (for Nadasan).

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHENSTEIN, B.; KREMMER, I.

Law of distributing ferromagnetic fields according to the criterion of coercive force in a phenomenon of irreversible magnetization; the Procopiu phenomenon. Studii chim Timisoara 6 no.1/2:157-163 Ja-Je '60. (EEAI 10:3)

1. Institutul politehnic Timisoara, Laboratorul de fizica.
(Magnetic fields) (Coercive force (Magnetic))
(Distribution (Probability theory))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

S/123/62/000/020/001/007
A006/A101

AUTHORS: Nadăşan, St., Rothenstein, B., Horovitz, B., Safta, V.

TITLE: Increasing the fatigue strength of steel by means of electrolytical coating with Ni-Fe alloy

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 20, 1962, 16, abstract 20A85 ("Studii si cercetări ştiinţe tehn. Acad. RPR, Baza Timişoara", 1961, v. 8, no. 3 - 4, 267 - 270, Roumanian; summaries in Russian and French)

TEXT: By coating carbon steel (0.5% C) with Ni-Fe alloy (79% Ni), fatigue strength is increased by 7%. Fatigue curves are presented of steel specimens coated with a 25-micron thick Ni-Fe layer and without it.

[Abstracter's note: Complete translation]

Card 1/1

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

AUTHOR: Rothenstein, B. CZECH/37-59-3-18/29

TITLE: Magneto-mechanical Method of Studying the Kinetics of the Magnetization Process (Letter to the Editor)

PERIODICAL: Československý časopis pro fysiku, 1959, Nr 3, pp 321-322

ABSTRACT: In a previous paper (Ref 1), the author has shown that the magneto-mechanical effect in an alternating field (Refs 2-10) can be understood on the assumption that the internal damping Q^{-1} is given by:

$$Q^{-1} = k \cdot y_{H_a}{}^2 \cdot v^2 \qquad (1)$$

where k is a constant of any given ferromagnetic structure, Y_{H_a} is the number of domains having coercive force H_a, v is the velocity of motion of the walls.

If a constant field is applied simultaneously with the alternating field (K. Mišek - Ref 11), the number of domain walls will decrease and the domains will be

Card1/4

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

Magneto-mechanical Method of Studying the Kinetics of the Magnetization Process (Letter to the Editor)

elongated. If we measure the internal damping as a function of the intensity of the constant field H, while the alternating field is kept constant, then the number of domains having a given coercive force is given by Eq (1) throughout the process of magnetization.

If the number of domains with coercive force H_a in the de-magnetized state is $Y_{H_a,0}$ and in the constant field it is $Y_{H_a;H}$, then:

$$Y_{H_a,H} / Y_{H_a,0} = Q^{-1}_{H_a,H} / Q^{-1}_{H_a,0} \qquad (2) .$$

Here, $Q^{-1}_{H_a,0}$ is the internal damping in the alternating field H_a and $Q^{-1}_{H_a,H}$ is the internal damping in the

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

Magneto-mechanical Method of Studying the Kinetics of the Magnetization Process (Letter to the Editor)

same alternating field plus a constant magnetic field H. Figure 1 shows the internal damping of Swedish iron as a function of the intensity of a constant magnetic field H, with an alternating field H_a as a parameter. Figure 2 shows the relative number of domains with a particular coercive force as a function of the constant magnetic field. With increased magnetization, the number of domains with small coercive force decreases. The number of domains with a larger coercive force reaches a maximum at a certain field intensity and then decreases.

There are 2 figures and 11 references, of which 6 are Czech, 3 German and 2 Rumanian.

Card 3/4

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

NADASAN, St.; ROTHENSTEIN, B.; HOROVITZ, B.; SAFTA, V.

Increased resistance to fatigue by the electrolytic plating with the Ni-Fe alloy. Studii tehn Timisoara 8 no.3/4:267-270 Jl-D '61.

1. Membru corespondent al Academie R.P.R. si membru al Comitetului de redactie, "Studii si cercetari, Stiinte tehnice" (Timisoara) (for Nadasan).

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

F

CZECHOSLOVAKIA/Magnetism. - Ferromagnetism.

Abs Jour : Ref Zhur Fizika, No 12, 1959, 27570

Author : Rothenstein, B.

Inst : Polytechnic Institute, Timisoara, Hungary

Title : Distribution Function of Ferromagnetic Domains from the Point of View of the Activation Field

Orig Pub : Chekhosl. fiz. zh., 1959, 9, No 2, 215-220

Abstract : A theoretical explanation is given for the occurrence of a maximum of internal friction in an alternating field under the assumption that the magnitude of the field of activation for the reverse displacement of the domain boundaries obeys the Maxwell distribution. A solution is then obtained for the differential equation for the displacement of the domain boundary under simultaneous action of an alternating field

Card 1/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHENSTEIN, B.; HRIANCA, J.

New aspects of energy transfer from an alternating magnetic field to a pendulum with ferromagnetic suspension. Chekhosl fiz zhurnal 13 no.5:318-320 '63.

1. Institutul Politechnic Timisoara, Laboratorul de Fizica, R.P. Romina.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHENSTEIN, B.; POLICEC, A.

Electromagnetic aspect of the power transfer from a longitudinal alternating current magnetic field to a torsion pendulum with ferromagnetic suspension. Chekhosl fiz zhurnal 14 no.2:137-141 '64.

1. Physikalisches Laboratorium der Technischen Hochschule, Timisoara, Rumanien.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHENSTEIN, B.

4

The distribution law of ferromagnetic domains according to the "coercive field" criterion in a phenomenon of irreversible magnetization (phenomenon of Procopiu). B. Rothenstein and I. Kremmer (Polytech. Inst., Timişoara, Romania). *Acad. rep. populare Romîne, Bazi cercetări ştiinţ. Timişoara, Studii cercetări, ştiinţ., Ser. ştiinţe chim.* 6, No. 1-2, 157-63 (1959).—The phenomenon of Procopiu is observed when a ferromagnetic sample is placed in a continuous magnetic field of const. intensity, on which is superimposed an alternating magnetic field. If the amplitude of the latter is increased continuously up to a specific value and then decreased continuously to 0, the sample exhibits a residual magnetism in the direction of the continuous field. The residual magnetism depends on the effective intensity of the alternating field. The Procopiu phenomenon is due to the irreversible displacement of the Bloch walls under the influence of the magnetic fields, and is a consequence of the gaussian distribution law of ferromagnetic domains according to the "coercive field" criterion. S. A. Stern

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHENSTEIN, B.

TECHNOLOGY

Periodical: STUDII SI CERCETARI STIINTIFICE. Vol. 3, no. 3/4, 1956.

ROTHENSTEIN, B. The variation of internal frictions in ferromagnetic substances submitted to traction in a magnetic sinusoidal field. p. 71.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 3, March 1959, Unclass.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

CZECHOSLOVAKIA/Magnetism - Ferromagnetism.

Abs Jour : Ref Zhur - Fizika, No 6, 1959, 13213

Author : Cisman, A., Rothgnstein, B., Hrianca, J.

Inst : Polytechnic Institute, Timisoara, Rumania.

Title : On the Nature of Magnetomechanical Phenomena in Alternating Magnetic Fields.

Orig Pub : Chekhosl. fiz. zh., 1958, 8, No 3, 374.

Abstract : Brief description of several measurements of internal friction in nickel as a function of the thickness of a ferromagnetic layer of nickel coating deposited on the wire. These observations confirm that the anomaly in the losses are connected with the dynamics of the motion of the domain walls, as long as the thickness of the film does not make them single-domain.

Card 1/1

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

POLICEC, A.; ROTHENSTEIN, B.

Electromagnetic aspect of magnetomechanical phenomenon in a direct-current and monoalternating pulse magnetic field. Chekhosl fiz zhurnal 14 no.9:707-710 '64.

1. Higher School of Technology, Timisoara III, Str. Severin 11, Romania.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHENSTEIN, B.; KREMMER, I.

An apparatus for measuring the coercive field of the test pieces taking part in an electrochemical process. Studii mat Timisoara 7 no.1/2: 205-207 Ja-Je '60. (EEAI 10:4)

(Coercive force (Magnetic)) (Magnetometer)
(Hydrogen) (Magnetism) (Electrolysis)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHENSTEIN, B.; MUNTEANU, A.

Influence of thermal treatment under natural conditions upon the internal tensions in ferromagnetic layers. Studii mat Timisoara 7 no.1/2:209-213 Ja-Je '60. (EEAI 10:4)

1. Institutul politehnic Timisoara, Laboratorul de fizica.
(Metals) (Magnetism) (Nickel)
(Naphthalenedisulfonic acid)
(Electrolysis) (Surface tension)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHERT, Hubert

B. T. R.
June 1954
Electrical Engineering

7857* Slit-Number Rules and Their Connection With the Magnetic Noise of Nonsynchronous Motors. (German.) Heinz Jordan and Hubert Rothert. *Elektrotechnische Zeitschrift*, v. 74, Ausgabe A, no. 22, Nov. 11, 1953, p. 637-642.
Reasons for magnetic noises of motors, mechanical oscillations, and physical processes taking place; effects of motor dimensions and material of individual parts and conclusions on slit-number rules. Diagrams, table, oscillograph, graphs. 18 ref.

4-54 DA

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHENSTEIN, B.P.; POLICEC, A.

On the simultaneous action mechanism of a periodic mechanical stress and an alternative magnetic field in the reversible movement of the Bloch wall. Chekhosl fiz zhurnal 15 no3: 201-203 '65.

1, Polytechnical Institute, Timisoara III, Str. Severin 11, Rumania. Submitted May 11, 1964.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

[redacted], ...

"Voltage-changing rotor Windings."

Elektrotech. Z (VDE) A, 74, 293-5 (May 11, 1953)

SO: SCIENCE AB (RaCIS), Section B, Electrical Engineering Abstracts, (September 1953), Unclass.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHFUSS, O. R3056 - F1077

Research on air flow by means of a sound pressure probe---erforschung der luftstroemung mit der schalldruck-sonde---by O. Rothfuss and H. Berndorfer stuttgart technische hochschule no date germ unclass 3P incl diagr

Report and script for documentary motion picture on a method for detection of air turbulence by an electric listening device. Reference is made to an article by H Hodkinson on this subject in journal of the Institute of Mechanical Engineering--- 1939.

SOURCE: AIR, ANC DESK CATALOG OF GERMAN AND JAPANESE AIR-TECHNICAL DOCUMENTS March 1948, P. 746, Unclassified

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

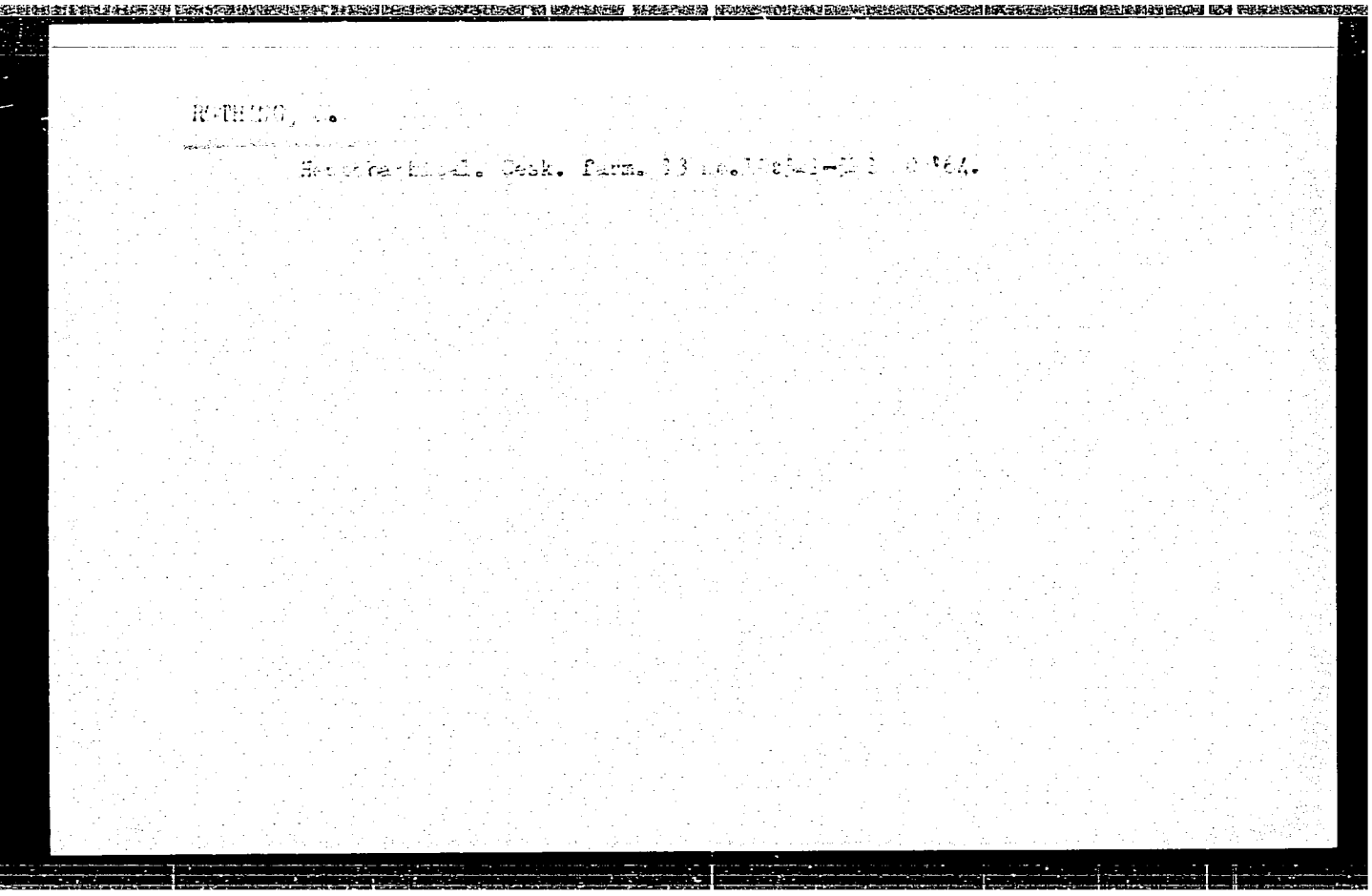
ROTHING,J.

Halothane. Cesk. farm. 14 no.1:39-40 Ja '65

Triethanolamine. Ibid.:46-47

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0



APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

PETELN, Alfred, inz.; JANCIKOVIC, Milan, inz. ROTHL, Bozo, inz.

Mechanization in building industry and its problems. Tehnika Jug 18 no.7:Supplement: Gradevinarstvo 17 no.7:1240-1248 Jl'63.

1. Preduzece "Gradis", Ljubljana (for Peteln).

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHLER, Istvan, dr.

Current problems in medical care of school children.
Nepegeszsegugy 38 no.1-2:4-5 Jan-Feb 57.

(SCHOOLS
med. care of school child. in Hungary (Hun))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHMAN, A., ing.

Present stage and development of the British Electric Power System. Energetica Rum 11 no.5:233-238 My '63.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHMAN, A., ing. proiectant; CRISTESCU, D., ing.

Method for direct calculation of nonsymmetrical defects.
Energetica Rum 12 no. 1: 39-44 Ja '64.

1. Asistent la Institutul politehnic, Bucuresti (for Cristescu).

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHMAN, A., Ing.

"Matrix and tensor calculation in the theory of electric networks" by S.A.Stigant. Reviewed by A.Rothman. Energetica Rum 12 no. 7: 345 Jl '64.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHMAN, A., ing.

Mechanical and electric analogies for electric circuits.
Energetica Rum 12 no. 5:230-232 My '64.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

L 1037-66 EPA(s)-2/ETC/EWG(m)/EWA(h) WW

ACCESSION NR: AP5025943 RU/0004/65/000/004/0128/0139

AUTHOR: Corlateanu, Vasile (Professor, Doctor, Engineer, Specialist); Rothman, Aurel (Planning engineer)

TITLE: Present trends in the construction of turbo-generators 25 18 3

SOURCE: Electrotehnica, no. 4, 1965, 128-139

TOPIC TAGS: generator, electric rotating equipment part, electric power engineering

ABSTRACT: A survey of the factors limiting the weight, volume and technical characteristics of turbogenerator rotors, and of the design and manufacturing solutions adopted in various countries to achieve the highest possible power. Orig. art. has: 13 figures, 2 graphs and 8 tables.

ASSOCIATION: ISPE

SUBMITTED: 21Jan65 ENCL: 00 SUB CODE: EE

NR REF SOV: 003 OTHER: 022 JPRS

Card 1/1

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHMAN, Aurel (Bucuresti)

Broad-sense theory of the electric circuit. Electrotehnica 13 no.1:1-9 Ja '65.

1. Planning Engineer, Institute for Electric Power Study and Planning, Bucharest. Submitted September 10, 1964.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHMAN, A.

"Diakoptics" by G.Kron. Reviewed by A.Rothman. Electrotehnica 12 no.11:431-432 N '64.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

BOTHMAN, A.

Characteristics of the activity of an atomic-power station and its management, as compared with a classic power station.

p. 195 (Energectica) Vol. 5, No. 4/5, Apr./May. 1957, Bucuresti, Rumania

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHMAN, Aurel (Bucuresti)

Symmetrization of electric networks as a proper value problem. Electrotehnica 12 no.6:227-236 Je '64.

1. Planning Engineer, Institute for Electric Power Study and Planning, Bucharest.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHMAN, H.

Probes in the positive column of a discharge in neon at weak currents. H. Rothman. *Acad. rep. populare Romîne Inst. fiz. atomica si fiz. fiz., Studii cercetări fiz.* 8, 255-66 (1957).—Theoretical relations were derived for the av. kinetic energy of the electrons, the local potential, and the no. of carriers per cc. for the case in which the velocity distribution is of the Druyvesteyn-Davydov (DD) type. The relations were found to apply to the discharge in N, which was studied at a pressure of about 1 mm. Hg and currents of 1.5 to 23 ma.; by using tubes with a diam. of 24 mm. The described method extends the use of the Langmuir probe to a non-Maxwellian distribution and, if the latter is of the DD type, permits the calcn. of the discharge parameters.
S. Alexander Stern

Distr: 4E3d/4E4c

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

RUMANIA/Electronics - Electrical Discharges in Gases and Gas
Discharge Apparatus.

Abs Jour: Ref Zhur - Fizika, No 11, 1958, No 25682

Author : Rothman H.
Inst : Not Given
Title : On the Control of Vapor Pressure in Electric Discharges in Mixtures of Gases and Vapors.

Orig Pub : Studii si cercetari fiz., 1956, 7, No 4, 579-584

Abstract : Investigations of the discharge in a mixture of neon (pressure 1.5 mm mercury) and mercury vapor have shown that the partial pressure of the latter cannot be determined by leaving the liquid phase (mercury) outside the discharge and using the cold-wall principle.

Card : 1/1

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROMANIA, V.

Soundings in the positive column of a weak current discharge in neon.

P. 955 (STUDII SI CERCETARI DE FIZICA) (Bucuresti, Rumania) Vol. 8, No. 3, 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

Distr: 4E2c/4E3d

29

The positive column of the discharge in a mixture of neon and mercury at low discharge current. H. Rothman ("C.I. Parhon" Univ., Bucharest, Romania): *Acad. rep. populare Romîne, Inst. fiz. atomică şi Inst. fiz., Studii cercetări fiz.* 9, 53–73(1958); cf. *C.A.* 52, 9771g.—An extension of Schottky's diffusion theory to binary mixts. was tested. The discharge tube used had a diam. of 24 mm. and was provided with a cylindrical Fe anode and a W filament cathode; the discharge characteristics were detd. with a W probe. The Ne pressure was 1.22 mm. Hg and the discharge current 2 ma. The mean kinetic energies of the electrons were measured as a function of the partial pressure of Hg vapors and compared with theory. At pressures higher than 2.3×10^{-3} mm. Hg the theory agreed with expt.; between 7×10^{-4} and 2.3×10^{-3} mm. Hg the kinetic energies of the electrons were higher than calcd., while below 7×10^{-4} mm. Hg the energies were higher even than predicted for pure Ne. The disagreement between theory and expt. was attributed to the fact that the velocity distribution of the electrons in neon is of the Druyvesteyn-Davidov type, rather than Maxwellian as required by theory. A spectroscopic study confirmed that the disagreement could not be due to cataphoresis. Upon irradiating the pos. column with Hg lines, which caused the extinction of metastable atoms, it was found that the mean kinetic energies were higher than calcd. over the entire range of partial pressures of Hg studied. Hence, the agreement between theory and expt. at pressures $> 2.3 \times 10^{-3}$ mm. Hg before irradiation was fortuitous and resulted from compensating effects due to metastable atoms, not taken into account by Schottky's theory. S. Alexander Stern

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

STEIN,J.; ROTHOVA,N.

Neurinoma of the eighth cranial verve in childhood. (Clinical and EEG studies). Cesk. neur. 23 no.4:251-257 Je '60.

1. Neurologicka klinika KU v Praze, prednosta akademik K. Henner; Laborator pro patofyziologii nervove soustavy; III. detska klinika v Praze, predn. prof. dr. O. Vychytil.
(OCULOMOTOR NERVE neopl.)
(NEIRILIMMONA in inf. & child)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHMAN, H.

RUMANIA/Electronics - Electrical Discharges in Gases and Gas Discharge Apparatus. II

Abs Jour : Ref Zhur Fizika, No 1, 1960, 1540

Author : Rothman, H.

Inst : University "C.I. Parhon", Bucharest Rumania

Title : Positive Discharge Column in a Mixture of Neon and Mercury at a Small Discharge Current.

Orig Pub : Stiinii si cercetari fiz. Acad. RPR, 1958, 9, No 1, 53-73

Abstract : The author has plotted semilogarithmic probe characteristics in a positive column in a mixture of neon and mercury both with and without irradiation by light from a mercury lamp. The tube discharge was 1.2 cm, the neon pressure approximately 1.22 mm mercury, the discharge current 2 milliamperes.

Card 1/2

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHMAN, H.

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537.525

8004. POSITIVE COLUMN OF DISCHARGE IN THE Ne–Hg MIXTURE AT A SMALL DISCHARGE CURRENT. H.Rothman. Stud. Cercetări Fiz., Vol. 9, No. 1, 53-73 (1958). In Roumanian.

Presents in graphical form the semi-log characteristics of probes in the discharge column investigated, both when irradiated and not irradiated with a Hg-vapour lamp. The differences between the curves of the mean kinetic energy of electrons, derived from the straight parts of these graphs, and the theoretical curves of electron temperatures (from Schottky's theory) cannot be explained by the cataphoretic effect. The author suggests that the velocity distribution in the mixture under investigation is a transitional non-Maxwellian form.

F.Lachman

JW 1/1

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHMAN, Istvan, dr.

Dermatological research. Orv hetil 101 no.23:793-796 5 Je '60.

1. A chicagoi egyetem borgyogyaszeti osztalya.
(DERMATOLOGY)
(RESEARCH)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

HUNGARY

ROTHMAN, S. [affiliation not given].

"Kaposi and the History of Kaposi's Sarcoma"

Budapest, Orvosi Hetilap, Vol 103, No 49, 9 Dec 62; pp 2331-2332.

Abstract: A brief review, based on an article in Acta Unio Internat. contra Cancrum, 1962, No 3, of the life of Moric KAPOSI (1837-1902) and the disease bearing his name, Kaposi's Sarcoma, or multiple idiopathic hemorrhagic sarcoma. Kaposi spent most his life in Vienna, where he eventually became Professor of Dermatology at the University. The description of the disease was first published in 1872 but it was not until 1949 that the nature of the disease became better understood. Even today the etiology of Kaposi's sarcoma is unknown; soon, however, an international conference will be held about the disease in Uganda, the place having been chosen on the basis of the particular frequency of Kaposi's sarcoma among Bantu Negroes.

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APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHOLTZ, E.

Television transmission to very far distance. p. 51.
(RADIO I TELEVIZIIA, Vol. 6, no. 3, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 13, December 1957 Uncl.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

Distr: 4E2c(1)/4E3d

Some derivatives of β-phenylisopropylcarbamide. V. Tamchyna and A. Rottová (Slovenská vysoká škola tech., Bratislava, Czech.). *Chem. zvesti* 12, 284-8(1958)(German summary).—By a direct condensation of β-phenylisopropylamine with urea and its *N*-substituted derivs. at 135–40° the following compds. were prepd.: $PhCH_2CHMeNH_2$, $CONH_2$, m. 153°; $PhCH_2CHMeNHCONHMe$, m. 196°; $PhCH_2CHMeNHCONHEt$, m. 204°; $PhCH_2CHMeNHCONHBu$, m. 200°; $PhCH_2CHMeNHCONHPh$, m. 163°.

Jan Micka

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

CZECHOSLOVAKIA

N. ROTHOVA and B. ROTH, Third Pediatric Clinic (III. detska klinika) Head Prof Dr O. VONDRIL; and Laboratory for Pathophysiology of the Nervous System, Faculty of General Medicine, Charles University, Prague.

"Focal Reflex Epilepsy to Tactile Stimuli in a Child."

Prague, Ceskoslovenska Neurologie, Vol 26(39), No 1, Jan 63; pp 33-35.

Abstract [English summary modified]: Epileptic attacks in boy of 12 were elicited by tactile stimulation of upper right thigh, buttocks and groin. Treatment with 'Sodaneon' produced marked improvement. Case report; 4 Czech and 1 Western text (Penfield & Jasper).

2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHOVA, N.; ROTH, B.

A case of focal reflex epilepsy caused by tactile stimulation in a child. Cesk. neurol. 26 no.1:33-35 Ja '63.

1. III. detska klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. dr O. Vychytil Laboratory pro patofyziologii nervove soustavy fakulty vseobecneho lekarstvi KU v Praze, prednosta akademik K. Henner.

(EPILEPSY) (TOUCH) (REFLEX)
(ELECTROENCEPHALOGRAPHY)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHROCKEL, V.

Rothrockel, V. Economizing in production in the metallurgic industry through the improvement of working conditions. p. 97. HUTNIK. Praha. Vol. 5, no. 4, Apr. 1955.

SO: Monthly List of the East European Accession, (EEAL), LC. Vol. 4, no. 10, Oct. 1955. Uncl.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHROCKEL, V.

Economizing in production in the metallurgic industry through the improvement of working conditions. p. 97.
HUTNIK, Praha, Vol. 5, no. 4, Apr. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHSCHEIN, Jozef

Examination of the methods of determining the effect of toxicity on biological life in streams. Vodni hosp 14 no. 3:106 '64.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHSCHEIN, Jozef, promovany biolog

Use of statistics in evaluation of the results of toxicological experiments. Vodni hosp 13 no.10:380-381 '63.

1. Vyskumny ustav vodohospodarsky, Bratislava.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHSTEIN, Karel

Thermal processing of glass fibers. Sklar a keramik 15 no.2:47-48 F '65.

1. Research Worksite of the Vertex National Enterprise, Litomysl.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHSCHEIN, R. BOGATYREV, O.

Toxic properties of waste waters from rayon production. p. 100.

(Voda. Vol. 36, no. 4, Apr. 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

TUREK, B.; ROTHSCHILD, L.

Contribution to the pathogenesis of skin manifestations in prophyria cutanea tarda. Cesk. derm. 38 no.1:19-23 F '63.

1. Dermatovernerologicka klinika lekarske fakulty PU v Olomouci, prednosta prof. dr. G. Lejhanec.
(PROPHYRIA) (SKIN) (CAPILLARY RESISTANCE)
(ULTRAVIOLET RAYS) (INFRARED RAYS)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

JIRKOVA, R.; CERNA, I.; ROTHSCHILD, L.

Chromidrosis. Cesk. derm. 37 no.3:168-170 Je '62.

1. Dermatovenerologicka klinika lekarske fakulty University Palackeho v Olomouci, prednosta prof. dr. G. Lejhanec Mikrobiologicky ustav lekarske fakulty University Palackheo v Olomouci, prednosta doc. RNDr. E. Marsalek.

(SWEATING)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

PORTOCAIA, R.; DUMITRESCU, S.; ROTHSCHILD, L.; IONESCU, N.I.

Morphological characteristics of type A2 ("A-Asia") influenza virus isolated in Rumania. Acta virol. Engl. Ed., Praha 3 no.2:113-114 Apr 59.

1. Institute of Inframicrobiology, Academy of the Rumanian People's Republic, Bucharest.
(INFLUENZA VIRUSES,
type A2 isolated in Rumania, morphol. characteristics)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

DEREVICI, A.; SARATEANU, D.; PETRESCU, Al.; DRAGANESCU, N.; BRONITKI, Al.; ROTHSCHILD, L.

Further data on the natural variability of the influenza virus studied in the Rumanian People'd Republic in 1954. Stud. cercet. inframicrobiol., Bucur. 7 no.1-2:65-76 Jan-June 56.

(INFLUENZA VIRUS
adaptability & pathogenicity for mice & hemagglut. properties of strains isolated in Rumania, variability)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHSCHILD, L.

Long-term evaluation of balneological therapy in Marianske Lazne. Cesk. derm. 36 no.6:407-410 '61.

1. Dermat. klin. lek. fak. University Palackeho v Olomouci, predn. prof. MUDr. G. Lejhanec.

(BALNEOLOGY) (DERMATOLOGY ther)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

DEREVICI, A.; SARATEANU, D.; BRONITKI, A.; PETRESCU, A.· ROTHSCHILD, L.; DRAGANESCU, N.; SATMARI, C.; PETRUSCA, J.; STANCU, A.; TIMERMAN, A.; PIRONCOF, M.

Dynamics of serum antibodies against influenza in children and adults vaccinated with autochthonous vaccine; role of non-specific excitants. Stud. cercet. inframicrobiol., Bucur. 6 no.3-4:429-441 July-Dec. 1955.

(INFLUENZA, prev. & control
vacc. with autochthonous vaccine, behavior of serum antibodies, in child. & adults)

(ANTIGENS AND ANTIBODIES
influenza antibody form. after various methods of vacc. with autochthonous vaccine, in child. & adults)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTHSHEIN J.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their Application - Water Treatment, Sewage Waters. H.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 36657

Author : Bogutyrev, O., Rothshein, J.

Inst : -

Title : Toxic Properties of Waste Waters from the Manufacture of Viscose Fibers.

Orig Pub : Voda, 1957, 36, No 4, 100-105

Abstract : Toxic properties of H_2S, CS_2, Zn (found in SW- sewer waters) in relation to certain water plants (I) (Cyanophyta, Merismopedia glauca, Oscillatoria, Chlamydomonas, Cryptomonas, Stephanodiseus, Asterionella formosa, Microcystis); fish (II) (Alburnus alburnus, Alburnoides bipunctatus) and saprophitic bacteria (III) were studied. Maximun allowed concentrations (in mg/L) are: H_2S 10 - for (I), 1 - for (II); CS_2 100 - for (I), 15 - for (II); Zn 3 - for (I), 4 - for (II), 50 - for (III)

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BORSHCHOV, D., kand.tekhn.nauk; ROTIN, A., kand.tekhn.nauk

"Universal-4" cast iron heating boiler. Zhil.-kom. khoz.11 no.7: 25-26 Jl '61. (MIRA 14:7)

(Boilers)

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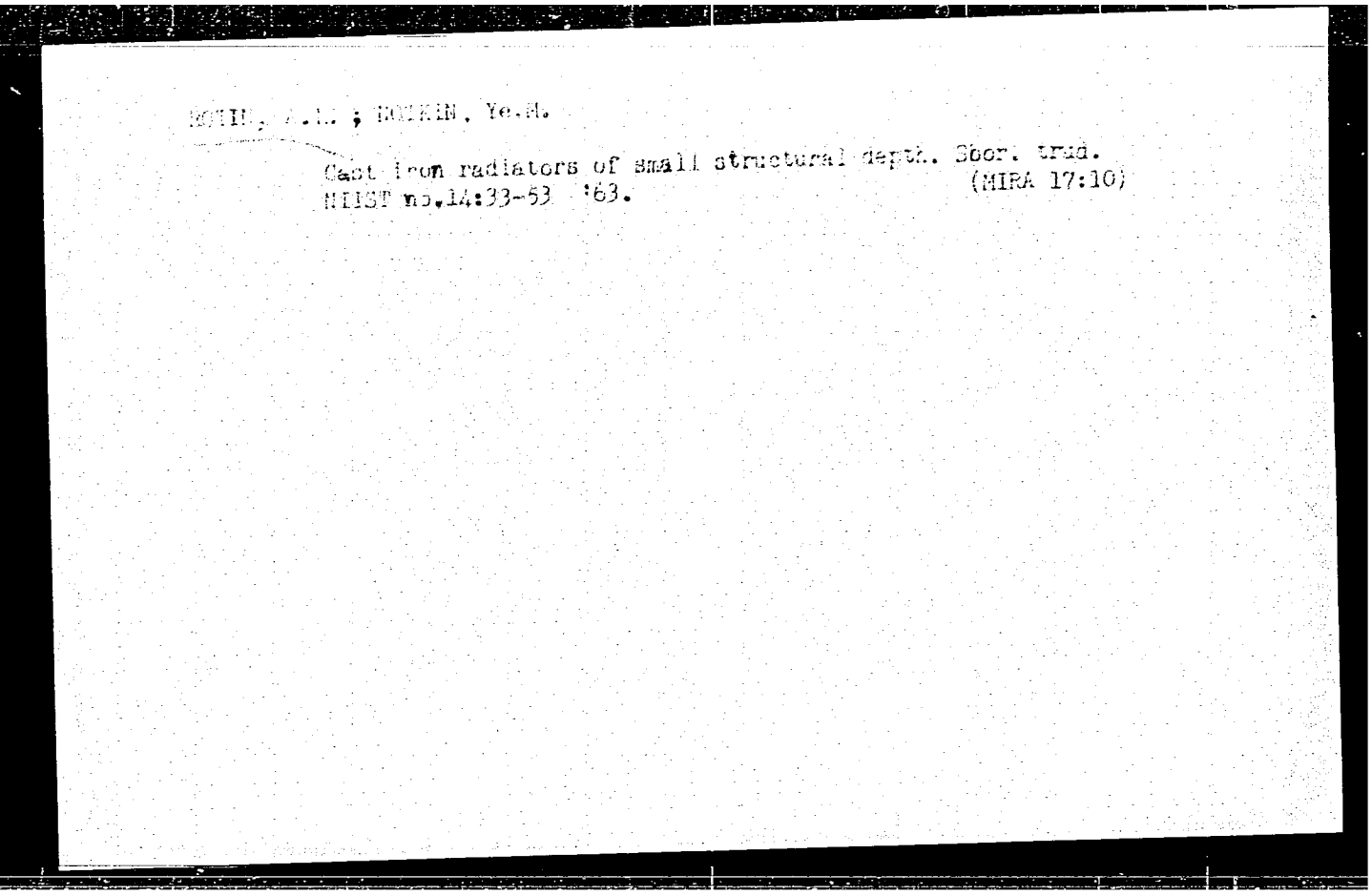

MOTIL', A.L. ; BOLKIN, Ye.M.

Cast iron radiators of small structural depth. Sbor. trud. NIISF no.14:33-53 '63. (MIRA 17:10)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

[illegible], A.I., [illegible], A.O.

Manufacturing steel radiators in the Soviet Union. Sbor. trud. MIIST no.14:53-64 '63. (MIRA 17:10)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ISPASOIU, Gh.; RANCU, M.; PIRCAN, M.; ROTHE-SCHMALTZER, I.

Estimation of the average life of incandescent bulbs by the probability network method combined with the method of the least squares. Metrologia apl 11 no. 5:196-201 My '64.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

M.K., N.B., MYAGKIKEV, D.I.; KOZIN, Ya.P.; AZHORIN, A.A., red.

[Overall mechanization of livestock farms in virgin regions] Kompleksnaia mekhanizatsiia zhivotnovodcheskikh ferm v tselinnykh raionakh. Moskva, Kolos, 1964. 127 p. (MIRA 18:1)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

REPIN, N.N., kand.tekhn.nauk; SHKABEL'NIKOVA, L.P., inzh.; ROTIN, A.L., kand.tekhn.nauk

Results of the competition for the best design of a three-speed controlling radiator cock. Vod. i san. tekh. no.7:1-5 Jl '62. (MIRA 15:9)

(Radiators—Equipment and supplies)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTIN, N., inzh.

Traffic in the center of Moscow. Za bezop.dvizh. no.1:16 Ja '60. (MIRA 13:5)

(Moscow--Traffic regulations)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTIN, A.L.; MIZIKIN, V.P.

The "Iskitim" cast-iron sectional boilers and their thermotechnical indices. Sbor. trud. NIIST no.4:114-126 '60. (MIRA 13:11)
(Boilers)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTIN, A.L.

Hydrodynamic testing of cast-iron sectional heating boilers by thermotechnical measurements. Sbor. trud. NIIST no.4:142-145 '60.
(MIRA 13:11)

(Boilers--Testing)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ROTIN, A.L., kandidat tekhnicheskikh nauk; SEREDIN, Yu.M., inzhener; SHCHEGOLEV, M.M., professor, nauchnyy redaktor; PRUDNIKOVA, M.N., redaktor; LYUDKOVSKAYA, N.I., tekhnicheskiy redaktor

[Instructions for the fitting and operation of the "Universal" cast iron sectional heater boiler] Instruktsiia po montazhu i ekspluatatsii otopitel'nogo chugunnogo sektsionnogo kotla "Universal." Moskva, Gos. izd-vo lit-ry po stroit. materialam, 1956. 17 p. (MLRA 9:10)

1. Russia (1923- U.S.S.R.) Ministerstvo promyshlennosti stroitel'nykh materialov SSSR.
(Boilers)

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ALEKSANDROVICH, Yu. B.; ROTIN, A.L.

Immediate tasks in the field of heating boiler construction.
Vod. i san. tekh. no.5:1-7 Ag '55. (MLRA 9:2)
(Boilers)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

BORSHCHOV, D.Ya.; ROTIN, A.L.

Liquid fuel firing tests with the Universal-3 boiler. Vod. i san. tekh. no. 12:9-11 D '60. (MIRA 14:4)
(Boilers--Firing) (Petroleum as fuel)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001445510001-0

ACCESSION NR: AP4013303 S/0032/64/030/002/0186/0190

AUTHORS: Rotin, V. A.; Belashchenko, D. K.; Bokshteyn, B. S.; Zhukhovitskiy, A. A.

TITLE: Method of determining electron diffusion potentials in binary melts of metals

SOURCE: Zavodskaya laboratoriya, v. 30, no. 2, 1964, 186-190

TOPIC TAGS: diffusion potential, electron diffusion, eutectic diagram, glass capillary, quenching oil bath, metallic melt

ABSTRACT: The electron diffusion in two types of alloys has been determined: alloys with simple eutectic diagrams and slight departures from ideal solutions (Pb-Sn, Bi-Sn, Bi-Cd) and alloys with fixed chemical composition but with large departures from laws of ideal solutions (Na-Tl and Bi-Te). The two metals were placed in a glass capillary and separated by means of 1-2 mm molybdenum solder. The capillary was placed in a quenching oil bath to keep the thermal emf of both metallic melts identical. The resulting diffusion potential was measured using a Gerts type 167300 high-sensitivity galvanometer with low input resistance. For large specimen impedances an M-95 galvonometer was used. The measurements indicated

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ACCESSION NR: AP4013303

a wide range of potential outputs, from a minimum of 5 μ kv for Pb-Sn to 100 μ kv for Na-Tl and Bi-Te systems. Orig. art. has: 4 figures, 3 tables, and 2 formulas.

ASSOCIATION: Moskovskiy institut stali i splavov (Moscow Institute of Steels and Alloys)

SUBMITTED: 00 DATE ACQ: 26Feb64 ENCL: 00

SUB CODE: ML NO REF SOV: 005 OTHER: 001

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ALIYEV, Mamed Dzhafar ogly; ROTIN, V.Ya., red.; POGOSOV, V.A., tekhn. red.

[Mechanized quality control in the assembling of deep pumps] Mekhanizatsiia kontrolia kachestva sborki gluginnykh nasosov. Baku, Ob"edinennoe izd-vo, 1959. 14 p. (MIRA 15:4)
(Oil well pumps) (Automatic control)

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1. IA. P. ROTIN.

2. USSR (600)

4. Agricultural Machinery

7. "Mechanization requirements in the organization of collective farm areas." Sov. kniga no. 1: 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

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ROTIN, Ya.P., kandidat sel'skokhozyaystvennykh nauk.

Is the machine-tractor station working well or poorly? Nauka i pered. op. v sel'khoz. 7 no.2:58-59 F '57. (MIRA 10:3)

1. Molotovskiy sel'skokhozyaystvennyy institut.
(Machine-tractor stations)

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YURKIN, S.N.; ROTIN, Ya.P., kand. sel'skokhoz. nauk

Reviews and bibliography. Zemledelie 27 no.10:90-96 O '65.
(MIRA 18:10)

1. Glavnyy spetsialist Nauchno-tekhnicheskogo soveta Ministerstva sel'skogo khozyaystva SSSR (for Yurkin). 2. TSelinogradskiy sel'skokhozyaystvennyy institut (for Rotin).

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